Science from an Operational Mission: An L5 Consortium meeting

Lunches are provided on all days Monday through Thursday as are morning- and afternoon-break refreshments at the times shown.

Updated Agenda;

	Monday 11th May		
	12.30	Registration opens	
	12.30 -13.30	Lunch	
Chair	**Afternoon**	**Setting the Scene – User Requirements**	**Space Weather forecasters, Government, Satellite operators, Grid operators**
Mark Gibbs	13:30-13:45	Mark Gibbs	Opening and Welcome on behalf of the WOC
	13:45-14:00	Nat Gopalswamy	Global recap and history of L5
	14:00-14:30	Tom Berger	Setting the Operational Context for L5
	14:30-15:00	Lika Guhathakurta	Science from an Operational Mission
	15:00-15:15	Sir Mark Walport	The Importance of Space Weather to the UK
	15.15-15.30	Panel Discussion	
	15:30-16:00	Break	
Markos Trichas	16:00-16:30	Juha-Pekka Luntama	L5 mission from the perspective of the ESA SSA system
	16:30-17:00	Ewan Haggarty	Satellite Operators Perspective and Requirements
	17:00-17:30	Andrew Richards	National Grid Perspective and Requirements
	Tuesday 12thMay		
	Morning	**Operational need Instrument suite prioritisation**	**An opportunity to discuss the merits of different instrument configurations & trade-offs (existing and future mission concepts)**
Catherine Burnett	09:00-09:30	Mark Gibbs and Tom Berger	The Operational Need (UK and USA perspectives)
	09:30-09:50	Nat Gopalswamy	EASCO Overview – A Science Mission to L5
	09:50-10:10	Jackie Davies	The INSTANT Mission
	10:10-10:50	Markos Trichas	Carrington L5: The UK/US Operational Space Weather Mission
	10:50-11:10	Break	
Nat Gopalswamy	11:10-11:30	Russell Howard	An Operational L5 Mission
	11:30-11:50	Clive Dyer	High Energy Radiation Impacts on Ground Level, Aircraft and Space Electronics and the need for an L5 measurement package
	11:50-12:10	Curt de Koning	Operations and Research at L5
	12:10-12:30	Mike Hapgood (Video link)	What are we trying to forecast? - getting the right science into the impact of an L5 mission
	12:30-12:50	Panel Discussion	
	12:50-13:30	Lunch	

	Afternoon (refreshments available but no break)	**Science from an Operational mission**	**Remote sensing**
Jonathan Eastwood	13:30-13:50	Jesper Schou	Helioseismology and Thoughts About a Magnetic and Doppler Imager Instrument
	13:50-14:10	Sarah Edwards	Effects of L5 magnetic field measurements on the global coronal magnetic topology
	14:10-14:30	Mario Bisi	Heliospheric Remote-Sensing Observations and Modelling: An Outlook to a Long-Standing View from L5
	14:30-14:50	Richard Harrison	L5 – What have we learnt from the STEREO Heliospheric Imagers?
	14:50-15:10	Tim Howard	Heliospheric Imaging at L5
	15:10-15:30	James Tappin	On the Importance of Polarisation in Heliospheric Imagers
	15:30-15:50	Mat West	PROBA2 a Space Weather Tool
	15:50-16:10	Alan Title	Solar Flare Clustering and the Global Magnetic Field
	16:10-16:30	Remote-Sensing Discussion	
	Evening	Reception	Thames Cruise
	Wednesday 13th		
	Morning	**Science from an Operational mission (cont.)**	**In-situ measurements**
Mario Bisi	09:00-09:20	Jonathan Eastwood	Magnetic field measurements at the L5 Lagrange point
	09:20-09:40	Duncan Mackay	L5 Mission: Improving the Predictive Capability of Local and Global Magnetic Field Models
	09:40-10:00	Andrew Fazakerley	What can we learn from solar wind observations at L5?
	10:00-10:20	Francois Bocquet	Improvements to CME arrival prediction using L5 data
	10:20-10:50	Break	
Catherine Burnett	10:50-11:10	Dhiren Kataria	In-situ particle environment monitoring: Operational needs and the state of the art
	11:10-11:30	Bob Bentley	Solar Energetic Particles: Operational needs and L5
	11:30-11:50	Mike Marsh	Pushing the Boundary of Solar Energetic Particle Science with an Operational Mission
	11:50-12:10	Emilia Kilpua (Skype)	L5 in-situ measurements: Potential improvements to future space weather forecasting and science
	12:10-12:30	In-Situ Discussion	
	12:30-13:00	Science from an Operational Mission General Discussion and any ad hoc talks	
	13:00-14:00	Lunch	

	Afternoon	**How do we make a mission happen?**	**Is there a case for an L5 mission? What international engagement is required?**
Nat Gopalswamy	14:00-14:20	Peter Lindsey / Mike Willis	Opportunities & Activities, a UK Space Agency perspective
	14:20-14:40	Gareth Lawrence	L5 Ground Segment Abstract
	14:40-15:00	Phil Windred	The Airbus Experience from MEX, VEX, and Solar Orbiter
	15:00-15:30	Break	
Markos Trichas	15:30-15:50	Doug Biesecker (Video link)	Making an Operational Mission Happen
	15:50-16:10	Dong-Hun Lee	Space Weather Activities at KSWC and What KWSC can offer an L5 Space-Weather Mission
	16:10-16:45	Panel Discussion	
	Evening	Reception	Royal Astronomical Society
	Thursday 14th		
	Morning	**Summing Up**	**Planning the way forward and actions**
Mario Bisi	09:00-09:20	Mark Gibbs	Scene Setting Summary
	09:20-09:40	Tom Berger	Operational Need Summary
	09:40-10:00	Richard Harrison	Remote-Sensing Summary
	10:00-10:20	Jonathan Eastwood	In-Situ Measurements Summary
	10:20-10:50	Russell Howard	How do we make a mission happen? Summary
	10:50-11:10	Break	
Mark Gibbs	11:10-11:20	Mark Gibbs	Carrington going forward
	11:20-12:30	Moving Forward/Where Do We Go From Here? - Discussion	ACTIONS!
	12:30-13:30	Close and lunch	